

NMED.P-001-US  
PATENT APPLICATION

ABSTRACT OF THE DISCLOSURE

1           Partial sequences for a novel mammalian (human and rat sequences identified)  
2       calcium channel subunit which we have labeled as the  $\alpha_{II}$  subunit, and an additional novel human  
3       calcium channel which we have labeled as the  $\alpha_{IH}$  subunit are provided. Knowledge of the  
4       sequence of these two calcium channels permits the localization and recovery of the complete  
5       sequence from human cells, and the development of cell lines which express the novel calcium  
6       channels of the invention. These cells may be used for identifying compounds capable of acting  
7       as agonists or antagonists to the calcium channels.